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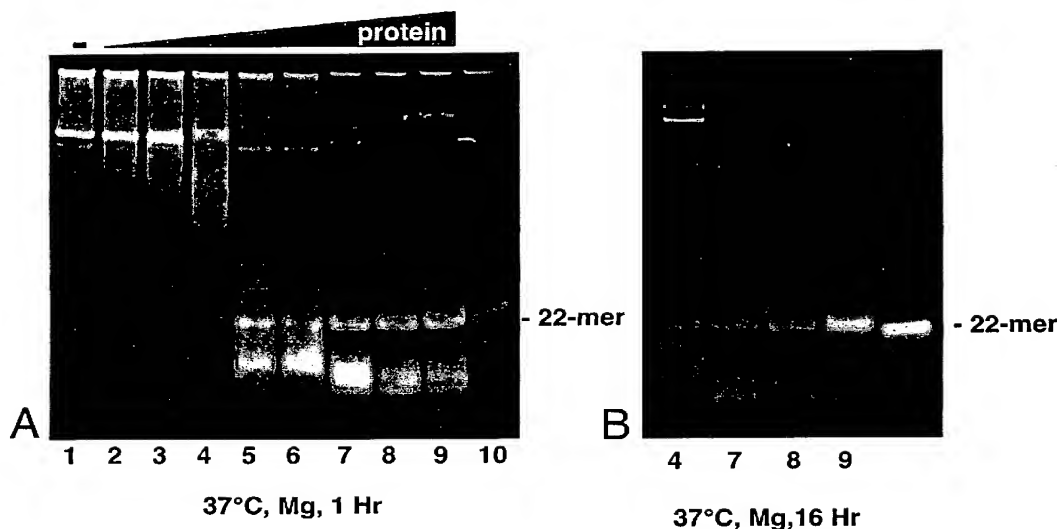
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(54) Title: COMPOSITIONS AND METHODS FOR GENERATING SHORT DOUBLE-STRANDED RNA USING MUTATED  
RNASE III

## RNase Activity of E38A



(57) Abstract: Compositions and methods are provided for preparing an hsiRNA mixture and for silencing of gene expression *in vivo*. The composition relates to a mutant RnaseIII. The methods are directed to reacting a preparation of dsRNA with an effective amount of a mutant RNase III to produce the hsiRNA mixture.

WO 2005/072272 A2



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